Wireless Tyre Pressure Monitoring System

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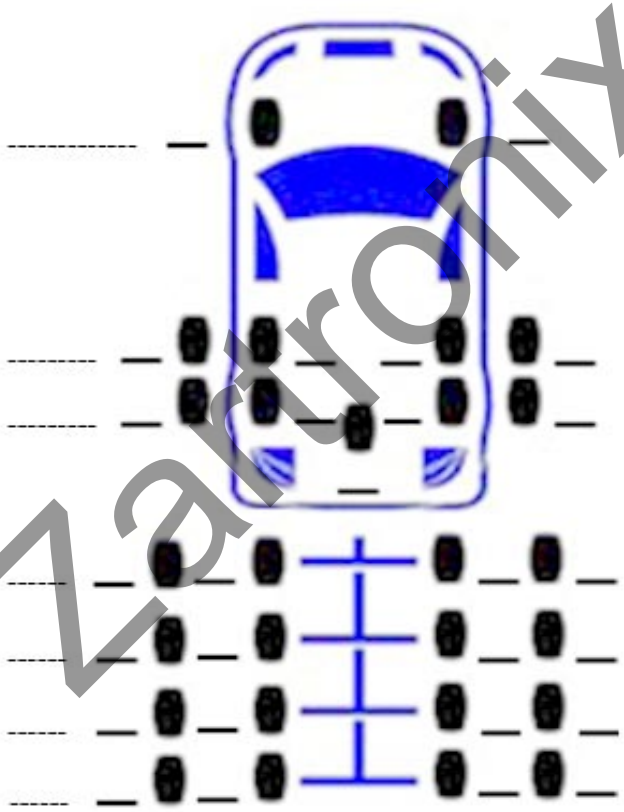
FACTORY TPMS CONFIGURATION SETTINGS

We have preconfigured your unit for your convenience, please ensure the tyre sensors are installed in the correct positions as marked. If not the **Leak Test** will have to be performed to re learn the correct tyre positions.

MODE _____



PRESSURE:
PSI / Bar / kPa

TEMPERATURE:
Celsius / Fahrenheit

Tyre Pressure(s):

(SP1): _____

(SP2): _____

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Tyre Pressure Monitoring System (TPMS)

Thank you for purchasing your Tyre Pressure Monitoring System (TPMS) from Zartronix. Zartronix is Australia's leading supplier of TPMS units providing you with the latest technology for your protection from world leaders in design and manufacture. Our TPMS informs you of the tyres pressure and temperature, and quickly notifies you of problems such as a slow or fast leak. The TPMS will continually monitor your vehicles' tyre pressure and temperature accurately 24/7. If the TPMS detects any irregularity in the tyres' pressure and/or temperature it quickly notifies the driver with an alarm and warnings on the colour LCD display. Prompt action should then be taken to avoid accidents and ensure the safety of the driver their passengers, vehicle and other road users.

NOTICE

FCC Notice

This device complies with part 15 of the FCC rules.

This equipment has been tested and found to comply with the limits for Class B devices, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference. This equipment can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a correct installation. If this equipment does cause harmful interference to radio and television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the factoring measures.

- Relocate the receiving antenna.
- Increase the distance between the equipment and the system affected by interference.
- Change the location of receiver.

PRECAUTION

Any changes or modifications in construction of this device could void the user's authority to operate the equipment. To comply with the FCC RF exposure compliance requirements, this device's antenna must not be co-located or operating to conjunction with any other antenna or transmitter.

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Your TPMS system is designed to monitor the tyres condition and alert the user if there is any irregularity detected.

Use of chemical sealants for temporary resealing or re-inflation of tyre may affect or even damage the sensors function.

For your own safety, please read and understand the instruction manual before proceeding to the installation and setup.

Please seek qualified personnel assistance for proper tyre sensor installation.

- Only use the cigarette power cord supplied by Zartronix. Do not use this power cord in any other USB device. It is **NOT USB** compatible and may damage your USB device. Zartronix shall not be held responsible for any damage caused to any USB device if you use this power adaptor in any other device.
- When you unplug the power adaptor, do not pull by the cord. It may damage the adaptor.
- If the power cable is damaged in any way contact your dealer for replacement.
- Never try to disassemble or repair the product yourself, this will void the warranty.
- When removing a tyre from the rim always break the bead opposite side of the valve and sensor position to prevent damage to the sensor.
- When refitting the tyre to the rim start just before the valve and sensor position to ensure the tyre bead goes past the sensor without contacting it. Make sure that the tyre bead is well lubricated before refitting.
- Always notify anyone performing work on your tyres that they have internal TPMS sensors fitted to avoid sensor damage, as this is not covered by warranty.

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SPECIFICATIONS OF TPMS

Sensor Specifications

Battery Life	Estimated 5 to 7 years (under normal operating condition)
Battery Voltage	3.6 V
Storage Temperature	-55.C to 125.C
Operating Temperature	-40.C to 125.C
Temperature Resolution	±3.C
Pressure Ranges	87 psi / 700 kPa, 200 psi / 1400 kPa(Truck)
Pressure Resolution	0.2 psi / 1.38 kPa, 0.5 psi / 5.5 kPa(Truck)
Operating Humidity	100%
Operating Frequency	434 MHz
Sensor Weight	30 grams

Receiver Specifications

Operating Voltage	9V to 18V
Operating Temperature	-20.C to 85.C
Monitored Temperature	-40.C to100.C

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TPMS COMPONENTS

Item	Description	Quantity
A	Display Unit	1
B	Tyre Sensors	4
C	Power Cord - Cigarette	1
C1	Power Cord - Hard Wired	Optional
D	Metal Valve Stems	4
E	Air Conditioner Clip	2
F	User Manual or CD	1
G	Base Adhesive	1
H	Remote Control	Optional
I	Antenna Extension Cable – 6M	Optional

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DISPLAY INSTALLATION

Step	Process	Photo
1	Connect the Mini USB End of the Power adaptor to the display unit. Attach the antenna by gently screwing it on clockwise, finger tight (see Antenna Extension Cable notes on Page 6 if required.)	
2	Install the display unit into the desired location. • Install the air-vent clips for vent mounting. • Apply the enclosed double sided adhesive cushion to the base of the Display Unit for dashboard mounting.	
3	Connect the Power • Plug in the Cigarette Power Cord to the vehicles cigarette lighter socket. • Note: It must be a 12 V power supply! For the **Hard Wire Kit**, connect wires according to the wire labels. Connect GROUND **(-)**, IGN **(Ignition),** BATTERY **(+12V)**.	
4	TPMS display unit setup is now complete. Please turn the key to the ignition position. The TPMS display unit will start receiving signals from tyre sensors, but only if the tyre sensor has been installed and the tyre(s) have been inflated.	
5	Please proceed to the **"Tyre Sensor Installation"** section. **NOTE:** It may not be necessary to set the tyre position on the TPMS Unit as this will generally be pre-set at the factory. It is important to reinstall the tyres according to the tyre position on the sensors label. (For Vehicles with more than 4 wheels, please set up tyre locations in accordance with page 14.)	

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6	**NOTE:** We highly recommend using the antenna extension cable when towing a caravan or trailer to insure optimum signal reception. • Simply unscrew the antenna and connect the antenna cable to the display. • Reconnect the antenna at the other end of the cable and secure with at least 10 cms of electrical tape to prevent dust and water entering the connection. The best location for the antenna is outside the vehicle and near the tow bar, this ensures a good signal can be received from all tyres on both the vehicle and trailer or caravan.	

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TYRE SENSOR INSTALLATION

Step	Process	Photo
1	Remove tyre from the vehicle. Deflate the tyre and remove the tyre from the rim. Remove the old valve stem. Seek assistance from qualified personnel if necessary. **NOTE**: It is possible to install the sensors without removing the tyre completely from the rim.	
2	Each sensor has a small label attached showing the wheel position it needs to be; Front Left (1) Front Right (2) Rear Left (3) Rear Right (4) (For vehicles with more than 4 wheels please set up in accordance with Page 16.)	
3	Verify the sensor will not be fouled by the rim. **Ensure** the correct tyre sensor is fitted to the intended wheel, i.e. Front Left(1), Front Right(2) etc. Spare metal valve stems can be purchased from the dealer, or many auto spare retailers if required. **NOTE:** Do not hit or strike the tyre sensor!	

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4	Clean the area of the rim around the valve of debris. Be sure each of the rubber seals is positioned on either side of the rim, and then install the metal valve stem. Next install the sensor and tighten with one nut provided using a 12mm spanner. When the nut becomes tight insuring a good seal (rubber seal should be slightly bulging), install the second locking nut to complete the job.	
5	Clean the inside of the tyre from any dust and inflate the tyre to the proper pressure as recommended by the tyre manufacturer, this will automatically activate the tyre sensor.	
6	Tyres **must** be balanced after the tyre sensor has been properly installed. This should be carried out by suitably qualified personnel. **NOTE:** Be sure to install the tyre into the proper location as per the tyre sensor marking. If you fail to do this, the TPMS unit will give you readings from the wrong location. (Tyre position can be checked or corrected if required by going into **Tyre Setup Mode** on page 22.) **Follow the above procedure for the remaining tyres.**	
7	Once all the tyre sensors have been installed, switch the ignition on. The TPMS will then automatically detect signals from all the tyre sensors. If there is no signal, disconnect the power to the display unit, re-connect it and try again. If there is still no signal please check the antenna connections before resetting the display unit by using the **Tyre Setup Mode** on page 22.)	

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DISPLAY UNIT INTRODUCTION

Item	Description	Photo
1	**Sensor Battery** Measures the tyre sensor battery level.	
2	**Signal Strength** Measures the signal strength from the tyres sensor. Slowly reduces to zero bars if no signal is received, display will flash and has a warning sound.	
3	**Vehicle battery Voltage** Monitors the vehicles battery in **Operation Mode.** If it is above **15.5V** or below **11.5V** it will flash and has a warning sound.	

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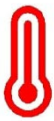
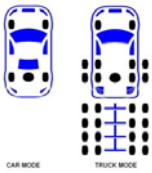
4	**Pressure Warning** Will light when the tyre sensor detects any irregularities in tyre pressure.	
5	**Flat Tyre** Will light when a flat tyre is detected, or a sudden drop in pressure.	
6	**High Temperature** Will light when the temperature inside the tyre is above **85 deg C (185 deg F)**.	
7	**Tyre Configurations** • 8 different tyre modes • Programmable up to 27 tyres. • Optional monitoring for spare tyre.	
8	**Pressure Meter** • 3 different units of pressure kPa, bar or psi. • Colour difference to differentiate between normal (Green) and warning (Red- indicating an increase or decrease of 30% from the set default tyre pressure). • Displays actual pressure value on display unit.	
9	**Temperature Meter** • 2 different units of temperature, Celsius (C) or Fahrenheit (F) • Different colours to differentiate between normal (Green) and high temperature (Red – above 85 degrees Celsius). • Displays actual temperature value on the display unit.	

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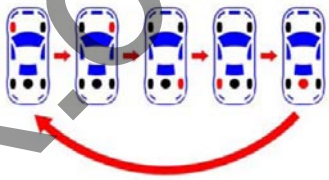
CONFIGURING THE TPMS UNIT

OPERATING MODE

- The TPMS display unit will monitor each tyre for 10 seconds and then proceed to the next tyre.
- Any problematic tyre will be monitored for 15 seconds before proceeding to the next tyre. It will keep displaying the warning code until the problem has been taken care of by the user.
- For the alerts/warnings codes, please refer to the Reacting to Alerts section on page 19.
- The tyre being monitored will light and its information will be displayed. (i.e.: pressure, temperature, tyre sensor battery level and signal strength)

NOTE: User has the option to turn off the warning sound by pressing "**SET**" button once.



FUNCTION MODE

Press "**FUNC**" button once to enter **Function Mode**.
Message area will display **FUN**.
Press "**FUNC**" for next tyre selection.
Press "**SET**" for previous tyre selection.
To **EXIT**, do not touch the display unit for 20 seconds.

NOTE: If there is 20 seconds or more of inactivity, the system will quit the **Function Mode** and return to **Operating Mode**.

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UNIT MODE - Pressure and Temperature Units Setup.

1) Press and hold "**FUNC**" button for 3 seconds to enter **Unit Mode.**
2) The message area displays **P.**
3) **psi** icon will light, or the previously saved unit.
4) Press "**FUNC**" to change pressure unit.
(psi ~ kPa ~ bar ~ psi)
5) Continue to press "**FUNC**" for pressure unit selection.
6) Press "**SET**" to confirm. Pressure unit is then saved.
8) The message area displays **T.**
9) **C** icon will light, or the previously saved unit.
10) Press "**FUNC**" to change temperature unit.
(**C ~ F ~ C**)
11) Continue to press "**FUNC**" for temperature unit selection.
12) Press "**SET**" to confirm the selection. Temperature unit is then saved.
13) Unit Mode setup is now completed.

System will automatically return to **Operating Mode**.

Note:

- If the pressure is above 999 kPa, you can only select **psi** or **bar** units.
- To bypass pressure unit change, skip step **(4)** & **(5)**. Go to step **(6)** to confirm the default unit settings. The default pressure unit is in psi or previously selected unit.
- To bypass temperature unit change, skip step **(9)** & **(10)**. Go to step **(12)** to confirm the default unit settings. Default temperature unit is in Celsius or previously saved unit.

NOTE: To **Exit Unit Mode**, do not touch any buttons for **20 seconds**. Changes will not be saved (before step 5) and the system will use the default pressure unit and return to **Operating Mode**.

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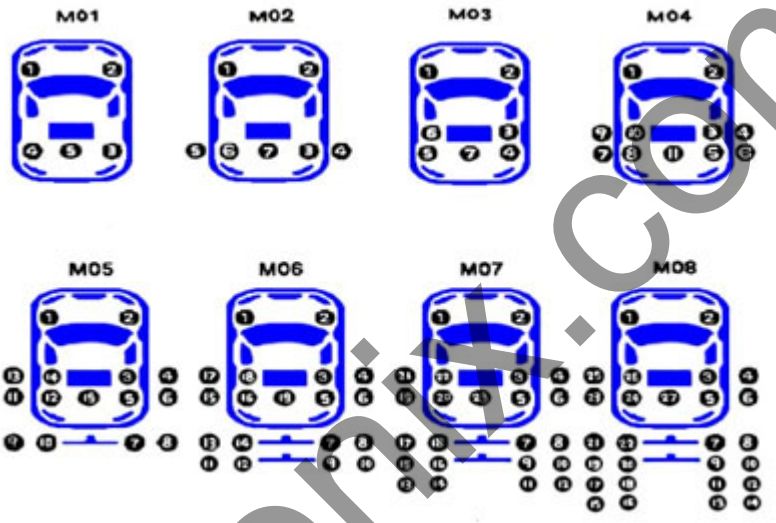
SETUP MODE – Tyre Configuration & Pressure Setup



1) Press and hold "**SET**" button for 3 seconds to enter **Setup Mode**. Message area displays the current Vehicle Setup Mode **M01-M08**.
2) Display will flash the current **Vehicle Mode**, **M0x,** where x = 1 to 8.
3) Press "**FUNC**" to scroll through Vehicle Modes. (**M01 ~ M02 ~ MO3 ~ etc ~ M08 ~ M01**)
4) Press "**SET**" to confirm the Vehicle Mode required, this Mode will then be saved immediately after step (4), message area will display the preset or default tyre pressure value.

NOTE: To bypass vehicle mode change, skip step **(3)** & **(4).** Go to step **(5)** to confirm the displayed Mode.
Or to **EXIT** without saving, don't touch the display unit for 20 seconds. Changes won't be saved and the system will use the preset or default vehicle mode.

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5) Press **SET** to accept the preset or default pressure value displayed.

6) Press **FUNC** to change the pressure value.

7) The pressure value on the far right digit will flash first. To change the pressure value, press **FUNC** button. The displayed number will increase by 1 every time the **FUNC** button is pressed. Continue to press the button until you see the value you want. The number will loop from **0** to **9** and then back to **0.** Press **SET** to accept the input value. Simply repeat for the remaining digits.

NOTE: When entering the pressure as 28 psi, please enter it as 028 psi.

Trailer or 2nd Default Pressure

8) Display will automatically enter the Trailer or 2nd Default Pressure Setup Mode. Press **SET** for "**No"** or **FUNC** for "**Yes"** to monitor another pressure. Repeat step **(5)** to **(7)** to set up the 2nd pressure, which is displayed on the left hand side of the display.

Once done, the system will perform a check on the pressures entered. This is to avoid improper pressure setup for selected vehicle mode.

9) If the correct pressure has been entered, the message area will display **PS** (Pressure Saved) and the Display Unit will beep once for confirmation with the pressure value(s) being saved.

10) If improper pressure has been entered, message area will display **ERR** (Pressure Error) & Display Unit will beep twice. User will automatically be returned to step (6) to re-enter information. If error (**ERR)** occurs for the second time, the system will use the default values for the pressure instead.

11) Unit will now return to **Operating Mode**.

Vehicle Mode	Default Pressure
M01	030
M02	035
M03	035
M04	038
M05	038
M06	038
M07	045
M08	045

Correct Pressure Entered

Incorrect Pressure Entered

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NOTE: 10 seconds of inactivity will result in the system exiting the **Pressure Setup Mode** and returning to the **Operating Mode**.	

SELECTING TYRES FOR 2nd TYRE PRESSURE

1) Press and hold **FUNC** button for 6 seconds until Message Area displays **SEL**(Select 1st / SP1 or 2nd / SP2 standard pressure value for each axle in turn) First row tyres, second row tyres, third row spare tyre, tyres of trailer will now flash sequentially on the display unit. **2)** Press **SET** for **(SP1)** or **FUNC** for **(SP2)** to select either 1st or 2nd standard pressure values for each axle. **3)** Buzzer will beep once when you confirmed and move onto the next axle.	

MOUNT & DISMOUNT TRAILER

Press and hold **SET** and **FUNC** buttons simultaneously for seconds for 9 seconds until Message Area displays **TOW.** • To connect trailer press **SET** for Yes. • To remove the trailer press **FUNC** for No. Display will return to **Operating Mode**. **NOTE:** Trailer Mount & Dismount function only works in MODES M05, M06, M07 & M08.	

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TYRE SETUP MODE

There are two functions available in this mode:

- **Tyre Rotation Program** - Rotation of existing tyres **after** the tyres have been rotated.
- **Teaching Mode** - to reprogram (including deleting) **all** tyre sensor posistions.

TYRE ROTATION PROGRAM

1) Simultaneously press the **SET** and **FUNC** buttons to enter **Tyre Setup Mode.**

2) The Display will show **CHG** (for change tyre position) NOTE: The Tyre Rotation Program is only available in MODE 01, in all other Modes 02-08 the Leak Test will have to be performed when rotating or swapping tyre positions.

3) Press **FUNC** for "**Yes"**. Pressing **SET** for **"No"** will enter **Teaching Mode** (See Below).

There are two change Modes:

- Swap front & rear tyres, direction of tyre rotation is not altered. Front Left for Rear Left & Front Right for Rear Right.
- Swap front & rear tyres diagonally, direction of tyre rotation is changed. Front Left for Rear Right & Front Right for Rear Left.

4) Pressing **FUNC** will toggle between the two modes.

5) The tyre display will flash indicating which change mode is selected.

6) Press **SET** for **"Yes"** to accept this mode, **OK** will be displayed. Press **SET** for **"Yes"** to swap tyres.

7) Press **FUNC** for **"No"**, no change will be saved and **IDX** will be displayed.

(1) **Front Left with Rear Left & Front Right with Rear Right**

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NOTE: If no activity for 20 seconds the unit will advance to the **Teaching Mode**.

(2) **Front Right & Rear Left with Front Left & Rear Right**

LEARNING MODE

1) Simultaneously press the **SET** and **FUNC** buttons to enter **Tyre Setup Mode.**

2) The Display will show **CHG** (for change tyre position).

3) Press **SET** for **"No"** and enter **Learning Mode.**

4) All Tyres will light and the Left Front Tyre (No 1/FL) will flash. The message area will display **LT** (Leak Test).

Method for Tyre Sensor Identification

There are two methods used:

- **Leak Test (LT)**

The purpose of the **Leak Test** is to trigger the sensor in the tested tyre to transmit a continuous signal for the purpose of identification. The **Leak Test** requires the tyre to be identified to be deflated or inflated by **5 psi (34 kPa)** or more within **4 minutes**.

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- **Remote Control Unit**

Triggering the sensor in the tyre to be identified is done by holding the remote unit close to the tyre sensor and pressing the Learning Key buttons (**A**), (**B**) or (**C**) on the remote. Make sure that the POWER LED on the remote illuminates.

5) When the **Leak Test** has been successfully performed the display unit will beep once in acknowledgement and display **OK**.

6) The next tyre in sequence will now flash, enabling the leak test to be performed for the remaining tyres.

7) When all the tyres have been successfully identified, the system will exit the **Tyre Setup Mode** and return to the **Operating Mode.**

Deleting a Tyre Location

During the Leak Test, the system will proceed through all the possible tyre locations in the Mode (M01~M08) you have chosen.

1) During the **Leak Test** on the tyre to be deleted, press the **"SET"** button. The unit will display **"DEL"** (for Delete) and beep once.
2) To confirm, press the **"FUNC"** button for Yes.
3) Pressing **"SET"** for no cancels the deletion and the display shows **"SKP"** (Skip). The previous settings are retained and no action is taken.

NOTE: This option allows the user to turn off the monitoring for the spare tyre and any other tyre location not used in their configuration Mode.

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4) The system then proceeds to the next tyre in the **Leak Test**, if this was the last tyre then it would exit the **Tyre Setup Mode** and return to the **Operating Mode**.

Restoring a Tyre Location

To restore a deleted tyre location – go into **Teaching Mode** to allow the system to re learn the location of the tyre to be restored.

NOTE: If no activity for 240 seconds the unit will revert to **Operational Mode**.

TYRE & RIM MAINTENANCE

Care must be taken when breaking the bead of any tyre fitted with an internal tyre sensor due to the high force expelled by the tyre when the bead is broken. If this is done incorrectly the sensor may be damage by this force. Please notify anyone removing or servicing your tyres that internal tyre sensors are installed, and the bead ***must*** be broken on the opposite side of the sensor. Any damage caused by not adhering to this is not covered by warranty.

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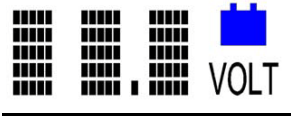
REACTING TO ALERTS

NO SIGNAL Affected tyre will flash during its turn when the unit is in **Operating Mode**. Unit will beep once every second and Antenna Signal icon shows with no bars. Pressure and Temperature bar indicators will light but no numbers will be in the Pressure and Temperature display. Press **SET** to turn off the sound. If the sound is turned off, the warning will remain on the display for 15 seconds before moving to the next tyre, unless the problem is rectified by the user. **NOTE:** Interference may affect the signal's reception.	
CAR BATTERY If the battery voltage falls below 11.5 volts or goes higher than 15.5 volts, the Battery icon will flash and the unit will beep once every two seconds. **Note:** Press **"SET"** to turn off the sound. If the sound is turned off, the Warning will remain on the display until the problem is taken care of by the user.	
UNDER-INFLATION (25%) Affected tyre will flash during its turn when the unit is in operating mode. Unit will beep once every two seconds. Pressure bar indicator will flash at 75% and the tyre leak icon will light The 25% under-inflation value in pressure is display based on the default set by the user. **Note:** Press **SET** to turn off the sound. If the sound is turned off, the Warning will remain on the display until the problem is taken care of by the user.	

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UNDER-INFLATION (30%) Affected tyre will flash during its turn when the unit is in **Operating Mode**. Unit will beep once every two seconds Pressure bar indicator will flash at 70% and the tyre leak icon will light The 30% under-inflation value in pressure is display based on the default set by the user. **Note:** Press **SET** to turn off the sound. If the sound is turned off, the Warning will remain on the display until the problem is taken care of by the user.	
OVER-INFLATION (25%) Affected tyre will flash during its turn when the unit is in O**perating Mode**. Unit will beep once every two seconds. Pressure bar indicator will flash at 75% and the tyre leak icon will light. The 25% over-inflation value in pressure is display based on the default set by the user. **Note:** Press **SET t**o turn off the sound. If the sound is turned off, the Warning will remain on the display until the problem is taken care of by the user.	
OVER-INFLATION (30%) Affected tyre will flash during its turn when the unit is in O**perating Mode**. Unit will beep once every two seconds. Pressure bar indicator will flash at 70% and tyre leak icon will light. The 30% under-inflation value in pressure display is based on a default of 29 psi. **Note:** Press **SET** to turn off the sound. If the sound is turned off, the Warning will remain on the display until the problem is taken care of by the user.	

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FAST LEAK Affected tyre will flash when the unit is in O**perating Mode**. Unit will beep twice every second and tyre leak icon will light. **Note:** Press **SET** to turn off the sound. If the sound is turned off, the Warning will remain on the display until the problem is taken care of by the user.	
FLAT TYRE or NO PRESSURE Affected tyre will flash when the unit is in O**perating Mode**. Unit will beep twice every second and the Flat Tyre icon will light. **Note:** Press **SET** to turn off the sound. If the sound is turned off, the Warning will remain on the display until the problem is taken care of by the user.	
TEMPERATURE ABOVE 80C (176F) Affected tyre will flash during its turn when the unit is in O**perating Mode**. Unit will sound one long beep followed by a one second delay. Temperature icon will light and the Temperature Bar indicator will flash. **Note:** Press **SET** to turn off the sound. If the sound is turned off, the Warning will remain on the display until the problem is taken care of by the user.	

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TEMPERATURE ABOVE 90C (194F) Affected tyre will flash during its turn when the unit is in **Operating Mode**. Unit will sound one long beep follow by one short beep and a one second delay. Temperature icon will light and the Temperature Bar indicator will flash. **Note:** Press **SET** to turn off the sound. If the sound is turned off, the Warning will remain on the display until the problem is taken care of by the user.	
TEMPERATURE ABOVE 100C (212F) Affected tyre will flash when the unit is in **Operating Mode.** Unit will sound one long beep followed by two short beeps and a one second delay. Temperature icon will light and the Temperature Bar indicator will flash. **Note:** Press **SET** to turn off the sound. If the sound is turned off, the Warning will remain on the display until the problem is taken care of by the user.	

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TPMS OPTIONAL ACCESSORIES

Battery Pack (8AA)

- Battery Pack allows display unit to be carried around for easier setup.
- Users do not have to rely on the power from the vehicles cigarette lighter power cord.
- Useful when setting up vehicles with a lot of wheels.
- Your TPMS supports up to 27 wheels.

LF Remote Control

The LF remote control is used to control the tyre sensors. The 2 main functions include;

- **Learning Keys (A), (B) & (C)**

Press this key to force the sensor to transmit a signal without inflating or deflating the tyre's pressure to learn the wheel position. It also has the function to exchange the tyre's position.

- **Sleep Key (D)**

It will force the sensor into sleep mode so it will save the tyre sensor's battery power.

NOTE: Sleep Mode will only work if the sensor is removed from the wheel, or there is no air pressure in the tyre. As soon as the sensor detects air pressure, the sensor will automatically "wake-up". This is useful when changing tyre location (tyre rotation) to setup up the tyre position. It will force the tyre's sensor to transmit a signal instead of performing the **Leak Test** (page 19).

Can be used as a diagnostic tool to test if the tyre's sensor is transmitting a signal.

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Standard Valve • The TPMS uses a standard metal valve stem, available at most automotive part stores. • Allows you to replace just the tyre valve stem if it is damaged or broken. You do not have to replace the entire sensor. With other TPMS units, you have to replace both the valve and the sensor if either one is broken or damaged	
Tyre Sensor • Tyre sensors are available for the spare tyre(s). • To purchase more tyre sensors, please contact your TPMS dealer.	
Antenna Extension Cable • Extension cable allows the antenna to be relocated outside the vehicle for enhanced signal reception. • Useful for vehicles with large trailers, caravans or subject to signal interference.	
Power Cord- Hard Wired • Optional power cord to allow the display to be hard wired to the vehicles electrical system, allowing unit to monitor tyres 24/7. • Display only illuminates when ignition is switched on.	

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Appendix

Pressure Conversion Table

kPa	psi	bar	kPa	psi	bar	kPa	psi	bar	kPa	psi	bar
10	1.5	0.1	310	45.0	3.1	610	88.5	6.1	910	132.0	9.1
20	2.9	0.2	320	46.4	3.2	620	89.9	6.2	920	133.4	9.2
30	4.4	0.3	330	47.9	3.3	630	91.4	6.3	930	134.9	9.3
40	5.8	0.4	340	49.3	3.4	640	92.8	6.4	940	136.3	9.4
50	7.3	0.5	350	50.8	3.5	650	94.3	6.5	950	137.8	9.5
60	8.7	0.6	360	52.2	3.6	660	95.7	6.6	960	139.2	9.6
70	10.2	0.7	370	53.7	3.7	670	97.2	6.7	970	140.7	9.7
80	11.6	0.8	380	55.1	3.8	680	98.6	6.8	980	142.1	9.8
90	13.1	0.9	390	56.6	3.9	690	100.1	6.9	990	143.6	9.9
100	14.5	1.0	400	58.0	4.0	700	101.5	7.0	1000	145.0	10.0
110	16.0	1.1	410	59.5	4.1	710	103.0	7.1	1010	146.5	10.1
120	17.4	1.2	420	60.9	4.2	720	104.4	7.2	1020	147.9	10.2
130	18.9	1.3	430	62.4	4.3	730	105.9	7.3	1030	149.4	10.3
140	20.3	1.4	440	63.8	4.4	740	107.3	7.4	1040	150.8	10.4
150	21.8	1.5	450	65.3	4.5	750	108.8	7.5	1050	152.3	10.5
160	23.2	1.6	460	66.7	4.6	760	110.2	7.6	1060	153.7	10.6
170	24.7	1.7	470	68.2	4.7	770	111.7	7.7	1070	155.2	10.7
180	26.1	1.8	480	69.6	4.8	780	113.1	7.8	1080	156.6	10.8
190	27.6	1.9	490	71.1	4.9	790	114.6	7.9	1090	158.1	10.9
200	29.0	2.0	500	72.5	5.0	800	116.0	8.0	1100	159.5	11.0
210	30.5	2.1	510	74.0	5.1	810	117.5	8.1	1110	161.0	11.1
220	31.9	2.2	520	75.4	5.2	820	118.9	8.2	1120	162.4	11.2
230	33.4	2.3	530	76.9	5.3	830	120.4	8.3	1130	163.9	11.3
240	34.8	2.4	540	78.3	5.4	840	121.8	8.4	1140	165.3	11.4
250	36.3	2.5	550	79.8	5.5	850	123.3	8.5	1150	166.8	11.5
260	37.7	2.6	560	81.2	5.6	860	124.7	8.6	1160	168.2	11.6
270	39.2	2.7	570	82.7	5.7	870	126.2	8.7	1170	169.7	11.7
280	40.6	2.8	580	84.1	5.8	880	127.6	8.8	1180	171.1	11.8
290	42.1	2.9	590	85.6	5.9	890	129.1	8.9	1190	172.6	11.9
300	43.5	3.0	600	87.0	6.0	900	130.5	9.0	1200	174.0	12.0

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Temperature Conversion Table

°C	°F	°C	°F	°C	°F
-40	-40.0	20	68.0	80	176.0
-30	-22.0	30	86.0	90	194.0
-20	-4.0	40	104.0	100	212.0
-10	14.0	50	122.0	110	230.0
0	32.0	60	140.0	120	248.0
10	50.0	70	158.0	125	257.0

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WARRANTY

Zartronix warrants to the original end user that the product purchased is free from defects in material and workmanship for a period of one (1) year from the date of original purchase.

Should the product fail within the warranty period, it will be replaced or repaired at the option of Zartronix. Zartronix reserves the right to replace defected products with either a new or refurbished unit, to be functionally equivalent to new.

The Warranty is void and inapplicable if:

1) The product has been used or handled other than accordance with the instructions in the user manual.
2) the product is abused, misused, damaged by accident or neglect
3) The damage is due from being repaired or tampered with by anyone other than a Zartronix or an authorized Zartronix repair centre.
4) The damage is due from shipping during transit.

The damaged product must be delivered prepaid to Zartronix or its authorized repair centre. The RETURNED PRODUCT MUST BE ACCOMPANIED BY A WRITTEN DESCRIPTION OF THE DEFECT(Page 32) AND A PHOTOCOPY OF THE ORIGINAL PURCHASE RECEIPT.

This warranty is valid in the country of purchase this warranty is limited to the terms stated herein. Zartronix shall not be liable for any special, incidental or consequential damages relating to the product sold. This Warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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WARRANTY FORM

Contact Details.	**Purchase Date:**
Name: _____ **Company:**_____ **Address:**_____ **City:**_____ **State:**_____ **Postcode:**_____ **Phone:**_____ **Mobile:**_____	_____ ***Please attach a copy of the purchase receipt***
Fault Description:	

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